



# Synthesis of glycoluril-tetrathiafulvalene molecular clips for electron-deficient neutral guests through a straightforward Diels-Alder strategy

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Titre	Synthesis of glycoluril-tetrathiafulvalene molecular clips for electron-deficient neutral guests through a straightforward Diels-Alder strategy
Type de publication	Article de revue
Auteur	Hardouin-Lerouge, Marie [1], Cotelle, Yoann [2], Legoupy, Stéphanie [3], Hudhomme, Pierrick [4]
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Résumé en anglais	<p>An electroactive molecular clip incorporating tetrathiafulvalene (TTF) sidewalls grafted on a glycoluril platform has been synthesized using a straightforward Diels-Alder strategy. This way of attachment to the glycoluril U-shape scaffold afforded a rigidified and closed receptor for which the electron-rich TTF pincers are expected to be at a suitable distance for sandwiching neutral guests through donor-acceptor interactions. The efficient complexation ability of this host architecture toward one molecule of tetracyanoquinodimethane derivative (F4-TCNQ) in solution has been demonstrated using cyclic voltammetry and UV-Visible titration methods.</p>
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua4120">http://okina.univ-angers.fr/publications/ua4120</a> [5]
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## Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=3075](http://okina.univ-angers.fr/publications?f[author]=3075)

[2] <http://okina.univ-angers.fr/ycotelle/publications>

[3] <http://okina.univ-angers.fr/s.legoupy/publications>

[4] <http://okina.univ-angers.fr/pierrick.hudhomme/publications>

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[6] <http://dx.doi.org/10.1039/C4NJ00617H>

